

November Models

Question 1: Mark (✓) or(×) :

1. Big data has no role in the development and effectiveness of artificial intelligence() .
2. Artificial intelligence techniques help in processing and analyzing big data() .
3. One of the stages of processing big data is data cleaning() .
4. The data collection stage is the process of gathering huge amounts of data from diverse sources() .
5. The process of processing big data does not require storing that data() .
6. Data cleaning means dealing with errors, duplication, or incorrect data() .
7. Data analysis is done using advanced tools and techniques such as artificial intelligence() .
8. The process of extracting information takes place before data analysis() .
9. Machine learning and deep learning do not need big data() .
10. Using big data is used to monitor networks and cybersecurity() .
11. E-commerce platforms rely on big data to understand customer behavior() .
12. Big data does not allow training models on a wide range of scenarios and conditions() .
13. No Computer vision applications, such as facial recognition and object detection, require massive datasets of images and videos to train their models() .
14. The role of big data in artificial intelligence is to improve accuracy and performance and enable AI applications() .
15. Predictive analytics and computer vision are among the advanced applications of artificial intelligence() .
16. Artificial intelligence does not use big data to understand customer interactions with products and services() .
17. Big data helps machine learning algorithms recognize patterns and make decisions without human intervention() .
18. Because of big data, task automation processes improve in areas such as customer service, logistics, and finance() .
19. Big data is not the raw material that artificial intelligence feeds on() .

20. Artificial intelligence is merely a set of theoretical algorithms incapable of learning or providing real value without big data() .
21. Big data helps enable artificial intelligence to analyze historical data to identify patterns and trends in order to make accurate predictions about future events predictive analytics).()
22. Real-time big data streams allow AI models to learn and adapt continuously to new data.()
23. Computer vision applications, such as facial recognition, rely on massive datasets of images and videos to train their models() .
- 24 .Natural Language Processing (NLP) models, such as GPT, do not require massive text datasets to learn, understand, and generate human language() .
- 25 .The lower the quality, volume, and variety of available data, the greater the ability of machine learning and machine learning models to learn and make accurate predictions and decisions() .
- 26 .User Experience (UX) design focuses primarily on the appearance of the product, not how it is used() .
- 27 .User Interface (UI) design focuses on making the product easy to use and efficient . ()
- 28 .One of the principles of UX design is to provide clear and easy navigation for the user() .
- 29 .The frequent use of decorative fonts improves the clarity of text in UX design() .
- 30 .Ease of use does not affect user satisfaction with the digital product() .
- 31 .The visual appeal of the user interface can influence the user's first impression() .
- 32 .A main menu with clear buttons is an example of navigation design. Good() .
- 33 .Using many different colors in an organized way improves the aesthetics of the design() .
- 34 .Consistency in design means using the same style for elements throughout the product() .
- 35 .The principle of clarity in the user interface requires presenting information in an easy-to-understand way() .
- 36 .The user interface only refers to the quality of services offered by websites and does not include applications() .

- 37 .Consistency in user interface design means maintaining the same style and shape for buttons and elements in all parts of the website or application design() .
- 38 .The principle of ease of navigation means that the user can reach what they are looking for slowly and carefully to ensure that no mistakes are made() .
- 39 .To design a new website or game, you must think about every step the player takes and how they will feel while playing() .
- 40 .User experience (UX) design is thinking about how people use the application or website and whether they can easily find what they need() .
- 41 .Planning the design of a website or application means organizing the interface elements in a way that makes them easy to use() .
- 42 .When you enter a restaurant for lunch, the restaurant's decor and Its colors and interface are an example of UX, while the quality of the food is an example of UI() .
- 43 .The frequent use of decorative fonts improves text clarity in UI design() .
- 44 .The ease of use of a digital product does not affect user satisfaction() .
- 45 .HTML is used only to describe the appearance of web pages. ()
- 46 .CSS was created to simplify web page formatting and separate formatting from content() .
- 47 .One of the benefits of CSS is that it is used to design both the page structure and its content() .
- 48 .An external CSS file can be used to format a large number of HTML pages at once.()
- 49 .The tag is still the preferred method for formatting text in modern HTML pages() .
- 50 .An external CSS file is inserted into HTML using the <link> tag() .
- 51 .The browser loads the external CSS file only once and then uses the saved version .()
- 52 .The rel="stylesheet" property is used when linking a CSS file to an HTML file() .
- 53 .An external CSS file can contain HTML tags within it() .
- 54 .CSS can be used to change font size and color() .
- 55 .Inline CSS is used to apply formatting to all pages of a website() .
- 56 .Internal CSS is preferred for large websites to maintain consistent formatting() .

- 57 .CSS makes it easy to modify the appearance of all linked pages at once() .
- 58 .Formatting HTML elements with CSS makes the page more organized and visually appealing() .
- 59 .In CSS code, the Selector specifies properties such as color and size() .
- 60 .The `body` element in CSS can change the background of the entire page() .
- 61 .CSS cannot make the design responsive to different screen sizes() .
- 62 .Writing formatting code within each HTML page is more efficient than using external CSS() .
- 63 .Separating formatting from content helps speed up editing and updating processes.
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- 64 .When you change formatting in an external CSS file, the appearance of linked pages is not affected() .
- 65 .CSS saves web page designers a lot of effort() .
- 66 .One of the benefits of using CSS is improving the readability of a web page() .
- 67 .The browser loads the external CSS file when accessing any linked page() .
- 68 .CSS helps you display web pages appropriately for tablet screen sizes() .
- 69 .Inline CSS styles are used to style multiple pages() .
- 70 .General syntax The CSS code is `Selector Selector { property : value ; }.`()
- 71 .The `href` property in the `` tag is used to specify the name and path of the CSS file.()
72. The `<link>` tag is written inside an external CSS stylesheet.()

Question 2: Choose the correct answer from the following options:

1 -The first stage of data processing is data.

- (a) Storing (b) Loading (c) Compiling (d) Cleaning

2 -Big data is used in e-commerce to.....

- (a) Store goods (b) Design websites
(c) Protect networks (d) Understand customer behavior

3 -Big data is used in cybersecurity to.....

(a) Send messages

(b) Detect threats

(c) Block internet traffic

(d) Create websites

4 -The GPT model is used in.....

(a) Natural language processing

(b) Image analysis

(c) Weather forecasting

(d) Network protection

5 -Computer vision applications rely on big data from..... to train their models.

(a) Text

(b) Images

(c) Audio

(d) Tables

6 -Big data enables artificial intelligence to analyze data to identify patterns and trends.

(a) Historical

(b) Future

(c) Random

(d) Incorrect

7 -Big data helps artificial intelligence to.....

(a) Hack websites

(b) Reduce storage capacity

(c) Steal information

(d) Make informed decisions

8..... -A branch of information systems designs algorithms that mimic human intelligence.

(a) Databases

(b) Cybersecurity

(c) Data processing

(d) Artificial intelligence

9.....-The raw material for artificial intelligence is considered.

(a) Electricity

(b) Opinions

(c) Devices

(d) Big data

10 -Real-time data flow helps models to.

(a) Increased redundancy

(b) Slow processing

(c) Reduced quality

(d) Continuous adaptation

11 -User Interface (UI) design focuses on.....

(a) Content writing

(b) Application interaction

(c) Appearance and form

(d) User satisfaction

12 -User Experience (UX) design focuses on.....

a) Ease of use

(b) Colors

(c) Overall appearance

(d) Fonts

13 -One of the basic principles in User Experience (UX) design is.....

- (a) Layout (b) Consistency (c) Fonts (d) Colors**

14 -One of the basic principles in User Interface (UI) design is.....

- (a) Ease of navigation (b) Clarity (c) Consistency (d) Layout**

15-- Presenting information in an easy-to-understand way reflects the of the interface.

- (a) Clarity (b) Ambiguity (c) Ease of use (d) Design**

16 -The main menu buttons of a website or application should be.....

- (a) Overlapping (b) Disorganized (c) Organized (d) Confusing**

17 -makes the user interface (UI) visually appealing.

- (a) A cluttered layout (b) Consistent colors (c) Complex font (d) Multiple navigation**

18 -If an application or website is easy to use, the user will feel when using it.

- (a) Confusion (b) Frustration (c) Satisfaction (d) Despair**

19 -What is the primary focus of User Experience (UX) design?

- A. The visual appeal of the design.**
B. The ease of use and effectiveness of the product.
C. The colors and fonts used in the design. D. The website loading speed.

20 -What is the primary focus of User Interface (UI) design?

- (a) Ease of navigation within the application.**
B. User satisfaction with the product.
(c) The product's attractive and visual appearance.
(d) The logical organization of information.

21 .Which of the following is a fundamental principle in User Experience (UX) design?

- (a) Using decorative fonts to attract attention.**
(b) Providing clear and easy navigation for the user.
(c) Using as many colors as possible.
(d) Placing a lot of information on a single page.

22 .Which of the following is a fundamental principle in User Interface (UI) design?

- (a) Making all buttons the same size and shape.
- (b) Choosing harmonious and eye-friendly colors.
- (c) Providing multiple ways to accomplish the same task.
- (d) Ensuring that the text is illegible.

23 .What does the principle of "consistency" mean in UX/UI design?

- (a) Using different elements on each page to make it stand out.
- (b) Maintaining a consistent style for elements throughout the product.
- (c) Changing the website design frequently to keep users engaged.
- (d) Using random fonts and colors.

24 .Why is ease of use important in UX design?

- (a) To make the design look more professional.
- b) To increase user satisfaction and engagement with the product.
- (c) To reduce product development costs.
- d) To make the product work faster.

25. Why is visual appeal important in UI design?

- (a) To make the product easy to use.
- (c) To better organize information.
- (b) To make a good first impression on the user.
- (d) To make the product compatible with all devices.

26 .Which of the following examples illustrates confusing navigation design?

- A) A main menu with obvious buttons.
- (d) Clear links at the bottom of the page.
- (b) A search bar in a prominent location.
- (c) A list of overlapping and disorganized items.

27 .Which of the following examples illustrates the use of inconsistent colors in UI design?

- (a) Using simple color gradients.
- (b) Using complementary colors from the color wheel.
- (c) Using many bright and different colors randomly.
- (d) Using white as the primary color with a calm secondary color.

28 .The font is preferred because it is easier to read.

(a) Simple

(b) Ornate

(c) Small

(d) Complex

29 .One of the websites that applies good user experience and user interface design is

Word

Google

Excel

PowerPoint

30 .What is meant by the principle of ease of navigation in user experience design?

- a. The colors should be bright and cheerful on all pages.
- b. The user should be able to easily and quickly access what they are looking for.
- c. The website should contain as many pages as possible.
- d. The menus should be placed differently on each page for a fresh experience.

31 .What is meant by the principle of consistency in interface design?

- a. The shapes and colors of the buttons should change on each page.
- b. Elements should be displayed randomly to attract attention.
- c. There should be variation in page design to break monotony.
- d. The interface should maintain the same style and shape for buttons and elements on all pages.

32 .Which of the following is an example of an advanced artificial intelligence application that relies on huge collections of images and videos to train its models?

A. Natural Language Processing (NLP)

B. Computer Vision

C. Big Data Collection

D. Task Automation

33. Big data helps machine learning algorithms automate tasks in areas such as:

- A. Customer service
- B. Logistics
- C. Financial services
- D. All of the above

34 .The language was created to facilitate the separation of formatting from content on web pages.

HTML

JavaScript

Gmail

CSS

35 .HTML pages are displayed using.....

(A) Commands

B) Browsers

C) Code

D) Formatting

36 .The appearance and formatting of web pages can be changed by.....

(A) Modifying the CSS file

B) Deleting CSS files

(C) Merging HTML files

D) Copying website files

37 .One of the benefits of using CSS files in web page design is.....

(A) Reducing loading speed

B) Complicating the code

C) Repeating formatting

(D) Uniform formatting

38 .CSS contributes to faster loading by loading the file when the page is accessed.

(A) Once

(B) Twice

C) Three times

(D) Each time

39 .The general syntax for CSS code is Selector { : value ; }

Control

Property

HTML

Gmail

40 .The color and size of can be specified using the general syntax of CSS code.

(a) Selectors

(b) Properties

(c) Values

(d) Tags

41 .The property in the <Link> tag is used to specify the type of relationship between an HTML file and a CSS file.

href

stylesheet

body

rel

42 .A CSS file is linked to an HTML page by writing the <link> tag inside the <.....> area.

html

head

hyperlink

body

43 .An external CSS formatting file is saved with the extension.....

.html

. CSS

.txt

.exe

44..... .CSS formatting is used to format individual pages.

(a) External

(b) Inline

(c) Internal

(d) Formatted

45..... .CSS formatting is used to apply formatting directly to page elements.

Question 3: Complete the following sentences using the words in parentheses:

1 / (Images - Patterns - Cleaning - Databases - Texts – Learn)

1 -Companies can discover valuable and..... that are difficult for traditional tools to identify.

2 -Natural Language Processing (NLP) relies on massive of big data.

3 -Increasing the size of the data increases the ability of models to

4 - In big data processing..... comes after data analysis.

5 - The collected is stored in large on servers.

2/ (Machine Learning - E-commerce - Facial Recognition - Information Extraction)

1use big data to increase sales using advanced analytics.

2 .The stage comes after the data analysis stage.

3 Is used to predict future events .

4 is an application of computer vision.

3) (Color - Easy - User Interface "UI" - Consistency - Difficult - User Experience UX)

1 .A clear interface means presenting information in a/an way that is easy to understand.

2. It is preferable to use buttons of the same shape and throughout the application or website.

3 .The designshould make using the website or application easy and convenient.

4. If you enter a restaurant and admire the decor and colors, this expresses your appreciation for.....

5 .If a webpage is divided into clear sections, its designer has considered the principle of.....

4/ (Ease of Navigation - User Experience Design - Clarity – Layout)

1is used to make the website easy to use.

2is one of the principles of User Interface (UI).

3is presenting information in an easy-to-understand way.

4enables the user to access what they are looking for.

5/ (User Interface "UI" - User Experience UX - Harmonious Colors - Ease of Navigation)

- 1 .A design process aimed at making the use of a digital product easy, useful, and enjoyable for the user(.....) .
2. The process of designing the visual elements of an application or website in an attractive, organized, and easy-to-understand way.(.....)
3. A principle in UX design that emphasizes the importance of helping the user easily find what they are looking for within the product(.....) .
4. A principle in UI design that emphasizes the importance of choosing harmonious and eye-friendly colors. (.....)

6/ (fonts – Consistency – Appearance – Effectiveness – Ease of Navigation)

- 1 .User Experience (UX) design focuses primarily on making the design and easy to use.
- 2 .User Interface (UI) design focuses primarily on making the design attractive.
- 3 .One of the basic principles of UX design is providing a clear..... for the user to navigate between pages.
- 4 .When choosing for the user interface, it should be comfortable for the eyes and easy to read.
- 5 .Maintaining in the design of elements such as buttons and icons gives a sense of professionalism and consistency.

7/ (Selector - Link - Responsive - External CSS Formats – HTML)

- 1 .The language is used to create static web pages.
- 2 .The word body in the syntax `body { background-color: light blue; }` body represents
- 3 .It is preferable to use in the design of large websites.
- 4 .The tag is used to insert CSS formatting into HTML code.
- 5 .Using CSS, you can make the screen design to different screen sizes.

8/ (Internal CSS - href property - rel property - Inline CSS)

- 1apply styles directly to page elements.**
- 2Use to style individual pages.**
- 3Specify the file name and path.**
- 4. Specify the relationship between the HTML file and CSS.**

November Models

Question 1: Mark (✓) or(×) :

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3. One of the stages of processing big data is data cleaning() . ✓
4. The data collection stage is the process of gathering huge amounts of data from diverse sources() . ✓
5. The process of processing big data does not require storing that data(×) .
6. Data cleaning means dealing with errors, duplication, or incorrect data() . ✓
7. Data analysis is done using advanced tools and techniques such as artificial intelligence() . ✓
8. The process of extracting information takes place before data analysis(×) .
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- 29 .The frequent use of decorative fonts improves the clarity of text in UX design(✕) .
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a) Ease of use (b) Colors (c) Overall appearance (d) Fonts

13 -One of the basic principles in User Experience (UX) design is.....

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15-- Presenting information in an easy-to-understand way reflects the of the interface.

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16 -The main menu buttons of a website or application should be.....

(a) Overlapping (b) Disorganized **(c) Organized** (d) Confusing

17 makes the user interface (UI) visually appealing.

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c. The website should contain as many pages as possible.

d. The menus should be placed differently on each page for a fresh experience.

31 .What is meant by the principle of consistency in interface design?

a. The shapes and colors of the buttons should change on each page.

b. Elements should be displayed randomly to attract attention.

c. There should be variation in page design to break monotony.

d. The interface should maintain the same style and shape for buttons and elements on all pages.

32 .Which of the following is an example of an advanced artificial intelligence application that relies on huge collections of images and videos to train its models?

A. Natural Language Processing (NLP)

B. Computer Vision

C. Big Data Collection

D. Task Automation

33. Big data helps machine learning algorithms automate tasks in areas such as:

A. Customer service

B. Logistics

C. Financial services

D. All of the above

34 .The language was created to facilitate the separation of formatting from content on web pages.

HTML

JavaScript

Gmail

CSS

35 .HTML pages are displayed using.....

(A) Commands

B) Browsers

C) Code

D) Formatting

36 .The appearance and formatting of web pages can be changed by.....

(A) Modifying the CSS file

B) Deleting CSS files

(C) Merging HTML files

D) Copying website files

37 .One of the benefits of using CSS files in web page design is.....

(A) Reducing loading speed

B) Complicating the code

C) Repeating formatting

(D) Uniform formatting

38 .CSS contributes to faster loading by loading the file when the page is accessed.

(A) Once

(B) Twice

C) Three times

(D) Each time

39 .The general syntax for CSS code is Selector { : value ; }

Control

Property

HTML

Gmail

40 .The color and size of can be specified using the general syntax of CSS code.

(a) Selectors

(b) Properties

(c) Values

(d) Tags

41 .The property in the <Link> tag is used to specify the type of relationship between an HTML file and a CSS file.

href

stylesheet

body

rel

42 .A CSS file is linked to an HTML page by writing the <link> tag inside the <.....> area.

html

head

hyperlink

body

43 .An external CSS formatting file is saved with the extension.....

.html

. CSS

.txt

.exe

44..... .CSS formatting is used to format individual pages.

(a) External

(b) Inline

(c) Internal

(d) Formatted

45..... .CSS formatting is used to apply formatting directly to page elements.

(a) External

(b) Inline

(c) Internal

(d) Formatted

Question 3: Complete the following sentences using the words in parentheses:

1 / (Images - Patterns - Cleaning - Databases - Texts – Learn)

- 1 -Companies can discover valuable and..... **Patterns** that are difficult for traditional tools to identify.
- 2 -Natural Language Processing (NLP) relies on massive of **Texts** big data.
- 3 -Increasing the size of the data increases the ability of models to **Learn**
- 4 - In big data processing..... **Cleaning** comes after data analysis.
- 5 - The collected is stored in large **Databases** on servers.

2/ (Machine Learning - E-commerce - Facial Recognition - Information Extraction)

- 1 **E-commerce**use big bata to increase sales using advanced analytics.
- 2 .The **Information Extraction** stage comes after the data analysis stage.
- 3 **Machine Learning** Is used to predict future events .
- 4 **Facial Recognition** is an application of computer vision.

3) (Color - Easy - User Interface "UI" - Consistency - Difficult - User Experience UX)

- 1 .A clear interface means presenting information in a/an **Easy** way that is easy to understand.
2. It is preferable to use buttons of the same shape and **Color** throughout the application or website.
- 3 .The design ... **User Experience UX**should make using the website or application easy and convenient.
4. If you enter a restaurant and admire the decor and colors, this expresses your appreciation for..... **User Interface UI**.....
- 5 .If a webpage is divided into clear sections, its designer has considered the principle of..... **Consistency**.....

4/ (Ease of Navigation - User Experience Design - Clarity – Layout)

- 1..... . **User Experience Design**is used to make the website easy to use.
- 2..... . **Layout**is one of the principles of User Interface (UI).
- 3..... . **Clarity**is presenting information in an easy-to-understand way.
- 4..... . **Ease of Navigation**enables the user to access what they are looking for.

5/ (User Interface "UI" - User Experience UX - Harmonious Colors - Ease of Navigation)

- 1 .A design process aimed at making the use of a digital product easy, useful, and enjoyable for the user . (**User Experience UX**)
2. The process of designing the visual elements of an application or website in an attractive, organized, and easy-to-understand way.(... .. **User Interface "UI"**)
3. A principle in UX design that emphasizes the importance of helping the user easily find what they are looking for within the product .(**Ease of Navigation**).
4. A principle in UI design that emphasizes the importance of choosing harmonious and eye-friendly colors. (.....**Harmonious Colors**.....)

6/ (fonts – Consistency – Appearance – Effectiveness – Ease of Navigation)

- 1 .User Experience (UX) design focuses primarily on making the design **Effectiveness**..... and easy to use.
- 2 .User Interface (UI) design focuses primarily on making the design**Appearance** attractive.
- 3 .One of the basic principles of UX design is providing a clear... **Ease of Navigation**..... for the user to navigate between pages.
- 4 .When choosing **fonts**..... for the user interface, it should be comfortable for the eyes and easy to read.
- 5 .Maintaining **Consistency**..... in the design of elements such as buttons and icons gives a sense of professionalism and consistency.

7/ (Selector - Link - Responsive - External CSS Formats – HTML)

- 1 .The **HTML**..... language is used to create static web pages.
- 2 .The word body in the syntax body { background-color: light blue; } body represents **Selector**.....
- 3 .It is preferable to use **External CSS Formats**..... in the design of large websites.
- 4 .The **Link**..... tag is used to insert CSS formatting into HTML code.
- 5 .Using CSS, you can make the screen design ... **Responsive** ... to different screen sizes.

8/ (Internal CSS - href property - rel property - Inline CSS)

- 1..... . **Inline CSS**apply styles directly to page elements.
- 2..... . **Internal CSS**Use to style individual pages.
- 3..... . - **href property**Specify the file name and path.
4. **rel property**..... Specify the relationship between the HTML file and CSS.